

What is claimed is :

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1. A data information display method of a data broadcasting receiver, comprising :

5 tuning signals received through an antenna and detecting whether data information is received among the signals tuned by the tuner ;

displaying the general television picture when the data information is not detected ;

10 parsing a HTML document among the data information when the data information is detected ;

extracting summary information from the parsed HTML document ; and

displaying simple information data on a screen by using the extracted summary information.

5 2. The data information display method of the data broadcasting receiver according to claim 1, wherein the summary information extracting process comprises :

extracting title information of the each HTML page ;

20 extracting television picture size defining information of the each HTML page ; and

extracting title information of linked documents by extracting linked data.

25 3. The data information display method of the data broadcasting receiver according to claim 1, wherein the simple data information displaying process further comprises the step of :

displaying the simple data information at the viewer request time after storing it on a storing unit according to the viewer select.

4. The data information display method of the data broadcasting receiver according to claim 2, wherein the extracting step for extracting the title information of the each HTML page extracts a tag displayed as a <title> in the each HTML document on a PE (Presentation Engine) unit.

5. The data information display method of the data broadcasting receiver according to claim 2, wherein the extracting step for extracting the television picture size of the each HTML page extracts the size of the television picture to be displayed from the data information defined in the each HTML file on the PE unit.

6. The data information display method of the data broadcasting receiver according to claim 2, wherein the extracting step for extracting the title information of the linked documents by extracting the linked data is performed while the HTML file is parsed.

7. A data information display method of a data broadcasting receiver, comprising :

displaying an icon for informing data information reception on the present audition television picture when the data information is received while the viewer watches the general television picture.

8. A data information display method of a data broadcasting receiver, comprising :

receiving a data information picture or a general television picture;

selecting an icon indicating the data information picture on a screen when
5 the data information picture is received; and

displaying a simple data information picture as a translucent ground in
front of the data information picture.

9. The data information display method of the data broadcasting
10 receiver according to claim 8, wherein the simple data information picture is
displayed on a present audition television picture as a font having a translucent
ground in order to make a viewer watch the present audition television picture as it
is without switching the picture.

10. The data information display method of the data broadcasting
5 receiver according to claim 8, wherein the simple data information picture displays
the simple information such as the title information among the data information.

11. A data information display apparatus of a data broadcasting
20 receiver including a tuner for outputting an A/V stream and data information by
tuning signals received through an antenna, an A/V decoder for decoding the A/V
stream, a screen for displaying the decoded A/V stream after being inputted it,
comprising :

a data receiving unit for searching the data information among the signals
25 tuned by the tuner ; and

a PE (Presentation Engine) unit for transmitting the data information detected from the data receiving unit to the screen by parsing, summary information extracting, formatting and displaying the data information.

5 12. The data information display apparatus of the data broadcasting receiver according to claim 11, wherein the PE unit comprises :

a parsing unit for parsing the data information outputted from the data receiving unit ;

10 a formatting unit for formatting the data information outputted from the parsing unit after being analyzed in order to display it ; and

a display unit for transmitting the data information formatted by the formatting unit to the screen after processing it so as to have a displayable format.

13. The data information display apparatus of the data broadcasting receiver according to claim 12, wherein the PE unit further comprises :

5 a user interface for inputting signals to the parsing unit according to the user input signal of the viewer.

14. The data information display apparatus of the data broadcasting receiver according to claim 12, wherein the parsing unit further comprises :

20 a summary information extracting unit for extracting the abridged data information of the data information.

15. The data information display apparatus of the data broadcasting receiver according to claim 12, wherein the parsing unit parses the data

information outputted from the data receiving unit by using the HTML document, CSS Parser and Java Script.

16. The data information display apparatus of the data broadcasting receiver according to claim 14, wherein the summary information extracting unit extracts the title information, television picture size information, related link information ect. from the HTML.

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